

Title (en)  
DEVICE FOR SOUND SYNTHESIS

Publication  
**EP 0421531 A3 19910814 (EN)**

Application  
**EP 90202586 A 19901001**

Priority  
NL 8902463 A 19891004

Abstract (en)  
[origin: EP0421531A2] A device for sound synthesis intended to generate a desired acoustic signal comprising - a first signal source (1) intended to emit during operation a periodic signal having a given repetition frequency as representation of the voiced parts of the desired acoustic signal, - a second signal source (2) intended to emit during operation an aperiodic signal or a noise signal as representation of the unvoiced parts of the desired sound signal, - a combination circuit (3) intended to combine the signals of the two signal sources with each other, and - a filter circuit (5) having a variable transmission function intended to process the combined signal to the desired output signal. The device is further provided with a third signal source (2, 14) intended to emit during operation a modulated noise signal consisting of a train or sequence of noise plops of comparatively short duration, whose temporal envelope is synchronous with the temporal envelope of the said periodic signal and which invariably have at least approximately the same energy, which modulated noise signal is supplied during operation together with the signal of the first signal source (2, 11) to the combination circuit (3, 17).

IPC 1-7  
**G10L 3/00**

IPC 8 full level  
**G10L 13/04** (2013.01)

CPC (source: EP US)  
**G10L 13/04** (2013.01 - EP US)

Citation (search report)

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